

# SEQUENCE LISTING

<110> Lukanidin, Eugene

<120> DIAGNOSIS OF METASTATIC CANCER BY THE MTS-1 GENE

<130> 7879ZYAIII-Z

<140> 09/298,625

<141> 1999-04-23

<150> 08/468,942

<151> 1995-06-06

<150> 08/190,560

<151> 1994-01-31

<150> 07/981,455

<151> 1992-11-25

<150> 07/550,600

<151> 1990-07-09

<160> 17

<170> PatentIn Ver. 2.1

<210> 1

<211> 303

<212> DNA

<213> Homo sapiens

<400> 1

```
atggcgtgcc ctctggagaa ggccttgat gtgatggtgt ccaccttcca caagtactcg 60
ggcaaagagg gtgacaagtt caagctcaac aagtcagagc taaaggagct gctgacccgg 120
gagctgcccc gcttcttggg gaaaaggaca gatgaagctg ctttccagaa gctgatgagc 180
aacttgagca gcaacaggga caacgaggtg gacttccaag agtactgtgt cttcctgtcc 240
tgcacgcca tgatgtgtaa cgaattcttt gaaggcttcc cagataagca gccaggaag 300
aaa
```

303

<210> 2

<211> 101

<212> PRT

<213> Homo sapiens

<400> 2

```
Met Ala Cys Pro Leu Glu Lys Ala Leu Asp Val Met Val Ser Thr Phe
  1           5           10           15
```

His Lys Tyr Ser Gly Lys Glu Gly Asp Lys Phe Lys Leu Asn Lys Ser  
                   20                                  25                                  30  
 Glu Leu Lys Glu Leu Leu Thr Arg Glu Leu Pro Ser Phe Leu Gly Lys  
                   35                                  40                                  45  
 Arg Thr Asp Glu Ala Ala Phe Gln Lys Leu Met Ser Asn Leu Asp Ser  
                   50                                  55                                  60  
 Asn Arg Asp Asn Glu Val Asp Phe Gln Glu Tyr Cys Val Phe Leu Ser  
                   65                                  70                                  75                                  80  
 Cys Ile Ala Met Met Cys Asn Glu Phe Phe Glu Gly Phe Pro Asp Lys  
                                   85                                  90                                  95  
 Gln Pro Arg Lys Lys  
                                   100

<210> 3  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<400> 3  
 ggcagttgag gcaggagaca tcaagagagt atttgtgccc tctcggggtt ttaccttcca 60  
 gccgagattc ttccccctctc tacaaccctc tctcctcagc gcttcttctt tcttggtttg 120  
 atcctgactg ctgtcatggc gtgccctctg gagaaggccc tggatgtgat ggtgtccacc 180  
 ttccacaagt actcgggcaa agagggtgac aagttcaagc tcaacaagtc agaactaaag 240  
 gagctgctga cccgggagct gccagcttc ttggggaaaa ggacagatga agctgctttc 300  
 cagaagctga tgagcaactt ggacagcaac agggacaacg aggtggactt ccaagagtac 360  
 tgtgtcttcc tgtcctgcat cgccatgatg tgtaacgaat tctttgaagg cttcccagat 420  
 aagcagccca ggaagaaatg aaaactcctc tgatgtgggt ggggggtctg ccagctgggg 480  
 ccctccctgt cgccagtggg cacttttttt ttccaccct gctccttcag gacacgtgct 540  
 tgatgctgag caagttcaat aaagattctt ggaagttta 579

<210> 4  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:peptide

<400> 4  
 Ala Cys Pro Leu Glu Lys Ala Leu Asp Val  
   1                                  5                                  10

<210> 5  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:peptide

<400> 5  
Lys Glu Gly Asp Lys Phe Lys Leu Asn Lys Ser Glu Leu Lys Glu Leu  
1 5 10 15

<210> 6  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:peptide

<400> 6  
Leu Pro Ser Phe Leu Gly Lys Arg Thr Asp Glu Ala Ala  
1 5 10

<210> 7  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:peptide

<400> 7  
Asn Glu Phe Phe Glu Gly Phe Pro Asp Lys Gln Pro Arg Lys Lys  
1 5 10 15

<210> 8  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 8  
atggcgtgcc ctctggagaa g

21

<210> 9  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 9  
tttcttcctg ggctgcttat g 21

<210> 10  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 10  
cgggatccga ctggatgact gccatgga 28

<210> 11  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 11  
cgaagcttca gtctgagtca ggccccact 29

<210> 12  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 12  
cgaagtcttg aagccatagt tgccctggta ag 32

<210> 13  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 13  
cgggatccca cctgggcttc ctgcatgct 29

<210> 14  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 14  
cgaagcttgg acttcctttt ttgoggaaat tttc

34

<210> 15  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 15  
cgggatccct ttgccctgaa ctgccccca

29

<210> 16  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 16  
tgcgaatgca aatcactaga a

21

<210> 17  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer

<400> 17  
gaacatgtcc caacatgttg

20